US Army Corps of Engineers
Omaha District

PUBLIC NOTICE

Application No: 2001-90-285
Applicant: Broadwater County
Waterway: Canyon Ferry Lake / Missouri River
Issue Date: January 31, 2003
Expiration Date: February 15, 2003 14 Day Extension

Helena Regulatory Office 10 West 15th Street, Suite 2200 Helena, Montana 59626

SUPPLEMENT TO PUBLIC NOTICE ISSUED ON JANUARY 2, 2003

This notice is intended to provide clarification on the roles of the various project participants and on the physical aspects of the project being proposed by Broadwater County on Canyon Ferry Lake at the Silos Recreation Area.

Project Participants
As stated in the previous notice, the Corps is not proposing this project. It is being funded, planned and implemented by Broadwater County. The Corps is not designing, constructing or funding this project. Any questions regarding the submittal of construction bids should be directed to Broadwater County officials. The US Bureau of Reclamation owns and manages the land on which the project is proposed. The Bureau is providing assistance to the County with the design and implementation of the project. The Bureau manages water levels on Canyon Ferry Lake, and comments on that topic should be directed to the Bureau's Montana Area Office in Billings.

The Corps is evaluating the environmental impacts of the project to determine whether or not it is permittable under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Towards that end, the Helena Regulatory Office is interested in obtaining written comments from local, state and Federal agencies, Indian tribes and the general public, that will assist us in the permit decision process.

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposed activity must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of work on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act (40 C.F.R.; Part 230).

All public notice comments must be submitted in writing and will be considered public information. All written comments will be subject to review by the applicant.

Project Description
The previous notice described the total amount of excavated material at 106,000 cubic yards. After reviewing the final design, the amount of excavated material will likely be approximately 225,430 cubic

yards for all four phases of the project. There will also be another 12,825 cubic yards of pit run gravel added around the perimeter of the newly excavated areas as beach belting, for preventing erosion of the newly excavated slopes. The beach belting material will range in size from 1 inch to 12 inches and will be clean and well graded. Additional material to be added to the excavation area includes 385 cubic yards of concrete for the boat ramp, 175 cubic yards of gravel for the ramp base, 98 cubic yards of riprap for the sides of the ramp and 49 cubic yards of gravel bedding to be placed under the riprap. The quantities of material given, include everything expected for the project, including work above the elevation of 3798.5. The Corps has calculated this elevation as being that which corresponds to the ordinary high water mark for permitting purposes. Approximately two thirds to three quarters of the total quantity of material will be placed below the ordinary high water mark of the reservoir.

Dewatering of the excavation areas will be required, should groundwater conditions inundate the area. The details of the method to be used for dewatering are not known at this time. The method of dewatering will be submitted to the Corps and will include, equipment to be used, how the work area will be isolated, the location of where turbid water will be discharged, and the method to be used to contain turbid water to prevent it from re-entering the work area. Dewatering shall be accomplished in a manner that will prevent loss of fines from the area, will maintain stability of the excavated slopes and the bottoms of the excavations, and will result in all construction operations being performed in the dry.

The construction of the project will be phased as follows.

Phase A: Excavation of the area where the boat ramp is located.
Design quantity: 31,375 cubic yards. The ramp will be excavated and graded according to the design to elevation 3775'. Forms will be placed and rebar installed on 12" centers. The concrete will be placed in sections as the design calls for. Water that accumulates in the excavation will be disposed of on dry land as specified in the design specification. Waste material from the excavation will be placed at the top of the ramp to design elevation and continuing northwest with emphasis on bringing the parking area to design elevation. Remaining waste will be placed in locations and in a manner specified by contract. Reference drawing 296-600-3171.

Phase B: Excavation of the center part of the bay out to the lake.
Design quantity: 52,215 cubic yards. Material will be removed from this area and placed in a manner and location as specified by the Design Specification. The depth of this excavation will be to 3775'. The depth of excavation will only be allowed to proceed toward the lake far enough to prevent the excavation from being inundated by water from the lake. Water seeping into the excavation will be disposed of in a manner specified in the contract. This excavation may initially be done to elevation 3780' or 3785'. If this is the case, the remainder of the excavation will be covered in Phase C. Lake elevation and seepage water will determine the depth of construction during any period of the project. Reference drawing 296-600-3172.

Phase C: Excavation of the south portion of the bay and the channel to the lake.
This may be done in two stages; the portion directly south of the boat ramp and the channel extending into the lake (reference drawing 296-600-3136). Design quantity:126,870 cubic yards. The design quantity is a total of the excavation in Phases A,B,and C. Material will be removed from these areas and placed in a manner and location as specified by the Design Specification. The depth of excavation in Phase C will be to 3775'. These depth of excavation will only be allowed to proceed if the water from the lake is not allowed to inundate the area being excavated. Water seeping into the excavation will be disposed of in a manner specified in the contract. If this phase is delayed and the barrier preventing inundation during Phase A and B is removed, excavation to depth of 3775' will only be allowed if a temporary barrier, such as a hydro-dam, is installed or the lake elevation falls below 3775'.

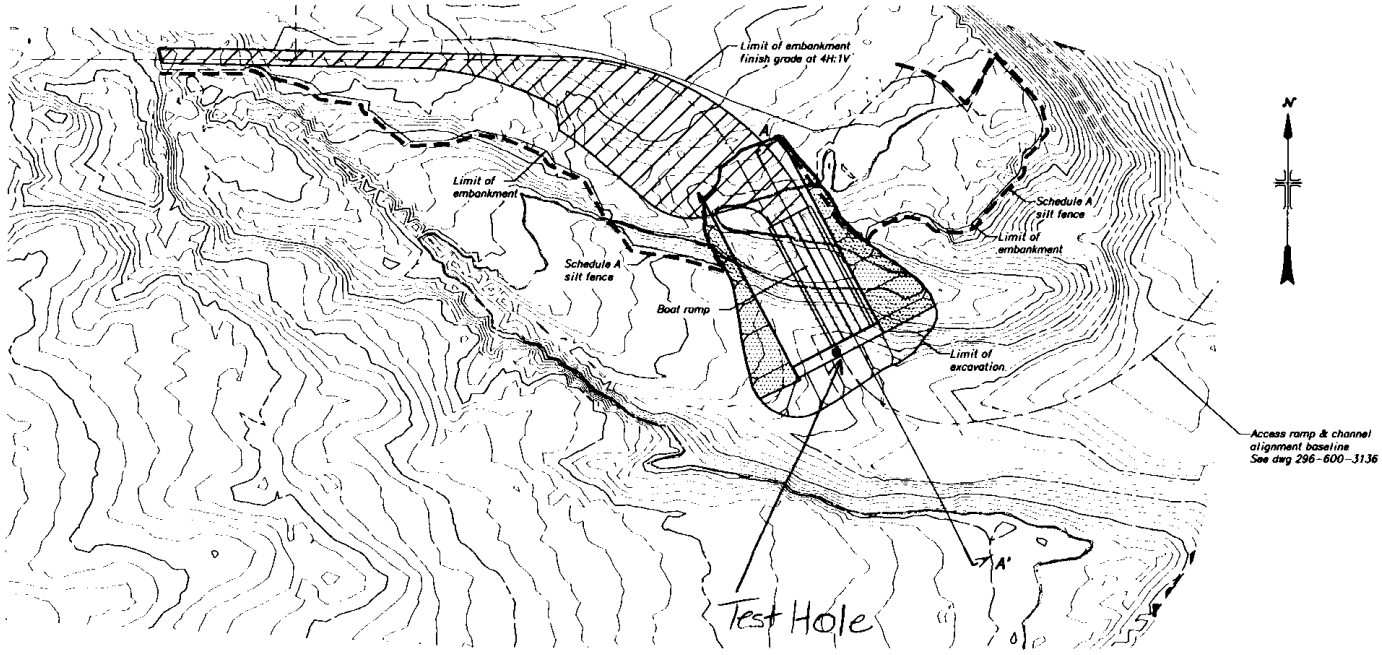
Phase D: Excavation of the west portion of the bay.
This phase is the portion extending to the west of Phase C (reference drawing 296-600-3145). Design quantity:98,560 cubic yards. Material will be removed from this area and placed in a manner and location as specified by the Design Specification. The depth of the excavation for Phase D will be to 3780'. The depth of excavation will only be allowed to proceed if the water from the lake is not allowed to inundate the area being excavated. Water seeping into the excavation will be disposed of in a manner specified in the contract. If this phase is delayed and the barrier preventing inundation during Phase A, B, and C is removed, excavation to depth of 3780' will only be allowed if a temporary barrier, such as a hydro-dam, is installed or the lake elevation falls below 3780'.

Broadwater County has requested permission to excavate a test hole with a back hoe in the area shown on the attached drawing. The test hole is authorized by Nationwide Permit (NWP) number 6, for Survey Activities. The following text is taken from the Federal Register dated January 15, 2002 describing this NWP. *Survey activities including core sampling, seismic exploratory operations, plugging of seismic shot holes and other exploratory-type bore holes, soil survey and sampling, and historic resources surveys. Discharges and structures associated with the recovery of historic resources are not authorized by this NWP. Drilling and the discharge of excavated material from test wells for oil and gas exploration is not authorized by this NWP; the plugging of such wells is authorized. Fill placed for roads, pads and other similar activities is not authorized by this NWP. The NWP does not authorize any permanent structures. The discharge of drilling mud and cuttings may require a permit under Section 402 of the CWA. (Sections 10 and 404*

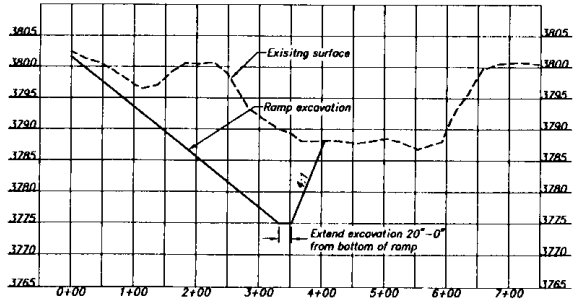
The authorization of the test hole will in no way prejudice the decision of the individual permit for the Broadwater Bay project, and the outcome of the testing will not preclude or guarantee that a positive permit decision will be made for the entire project as described in the January 2nd public notice. All permitting requirements under Section 404 CWA, Section 401 CWA, and Section 10 Rivers and Harbors Act must be met before work can commence on the Broadwater Bay project.

There are no jetties proposed at this time.

The public notice comment period will be extended for two weeks to allow for this new information. The new information contained in this notice does not substantially change the scope or context of the project, but provides clarification to the proposed action based on recently acquired design details.



100 0 100 200 300
SCALE OF FEET



SECTION A-A'

100 0 100 200 300
SCALE OF FEET

NOTES

1. See Dwg 296-600-3138 for boatramp profile and Dwg 296-600-3141 for boat ramp section.
2. Begin placing embankment on the south and east limits to elevations described on drawing 296-600-3138, 3139, 3140, 3141, 3142, 3143, and 3144 and extending to the northern limit as shown on this drawing to the extent material is available. Finish grade the north edge of embankment at 4H:1V.

LEGEND

Area to receive gravel bedding

Area to receive gravel surfacing

Phase A

DEC 2 2002

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UNITED STATES
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BUREAU OF RECLAMATION
PICK-SLOAN MISSOURI BASIN PROGRAM
CANYON FERRY UNIT - MONTANA

BROADWATER BAY

RAMP & ACCESS - SCHEDULE A

PLAN

DESIGNED L. DEAN CHECKED
DRAWN ENGINEERING SUPPORT TECH. APPR.
APPROVED

CADD SYSTEM	CADD FILENAME
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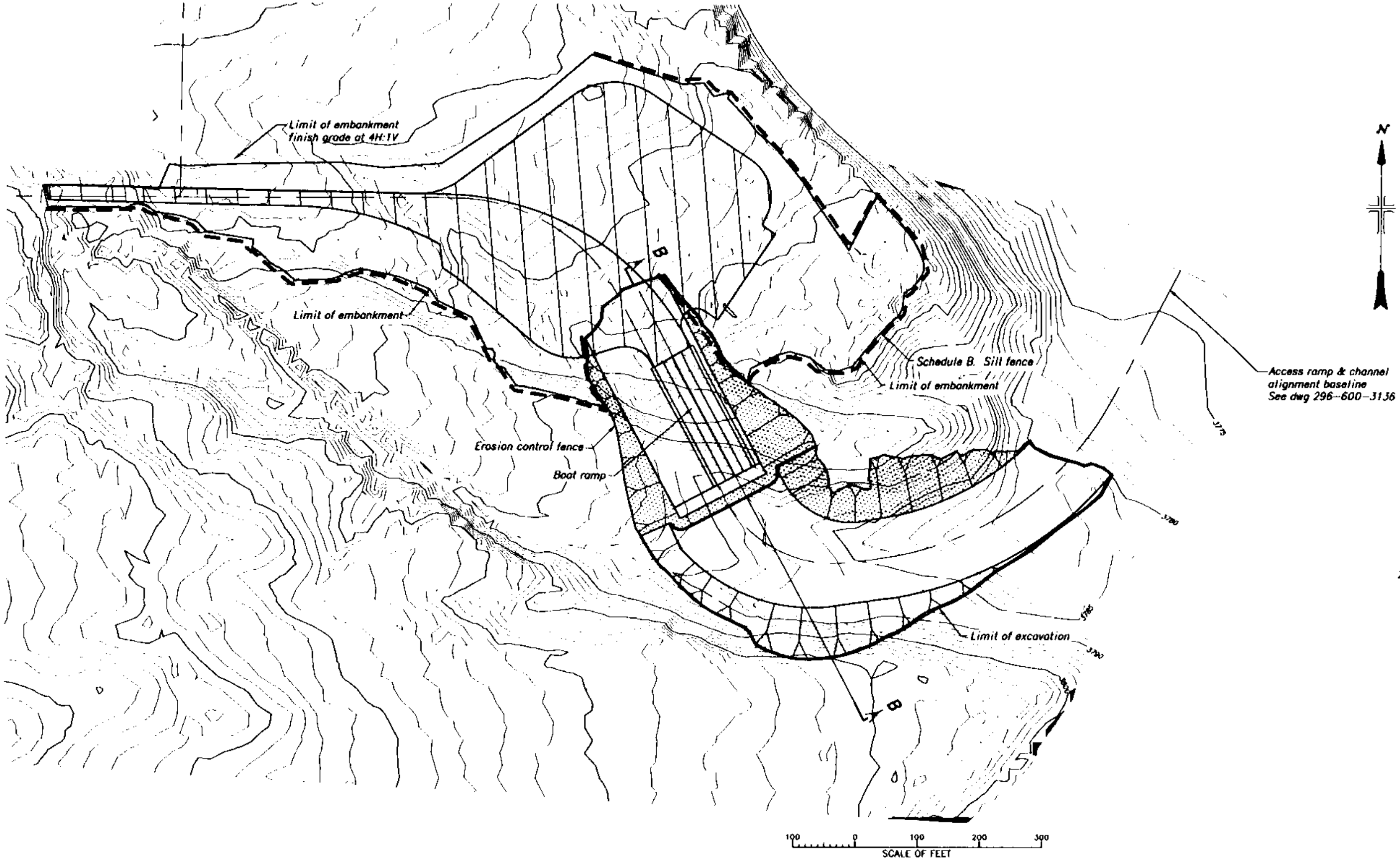
BILLINGS, MONTANA 12/2002	296-600-3171
SHEET 1 OF 1	

296-600-3172

2B



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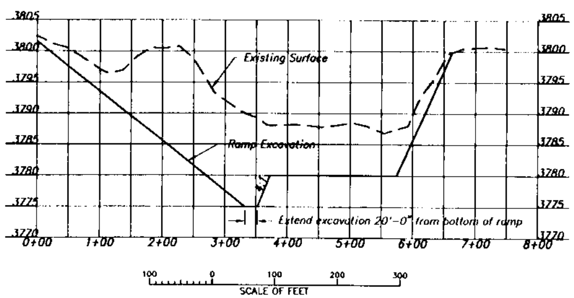
LEGEND

- Area to receive gravel belting
- Area to receive gravel surfacing



SECTION B-B

Phase B

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BROADWATER BAY

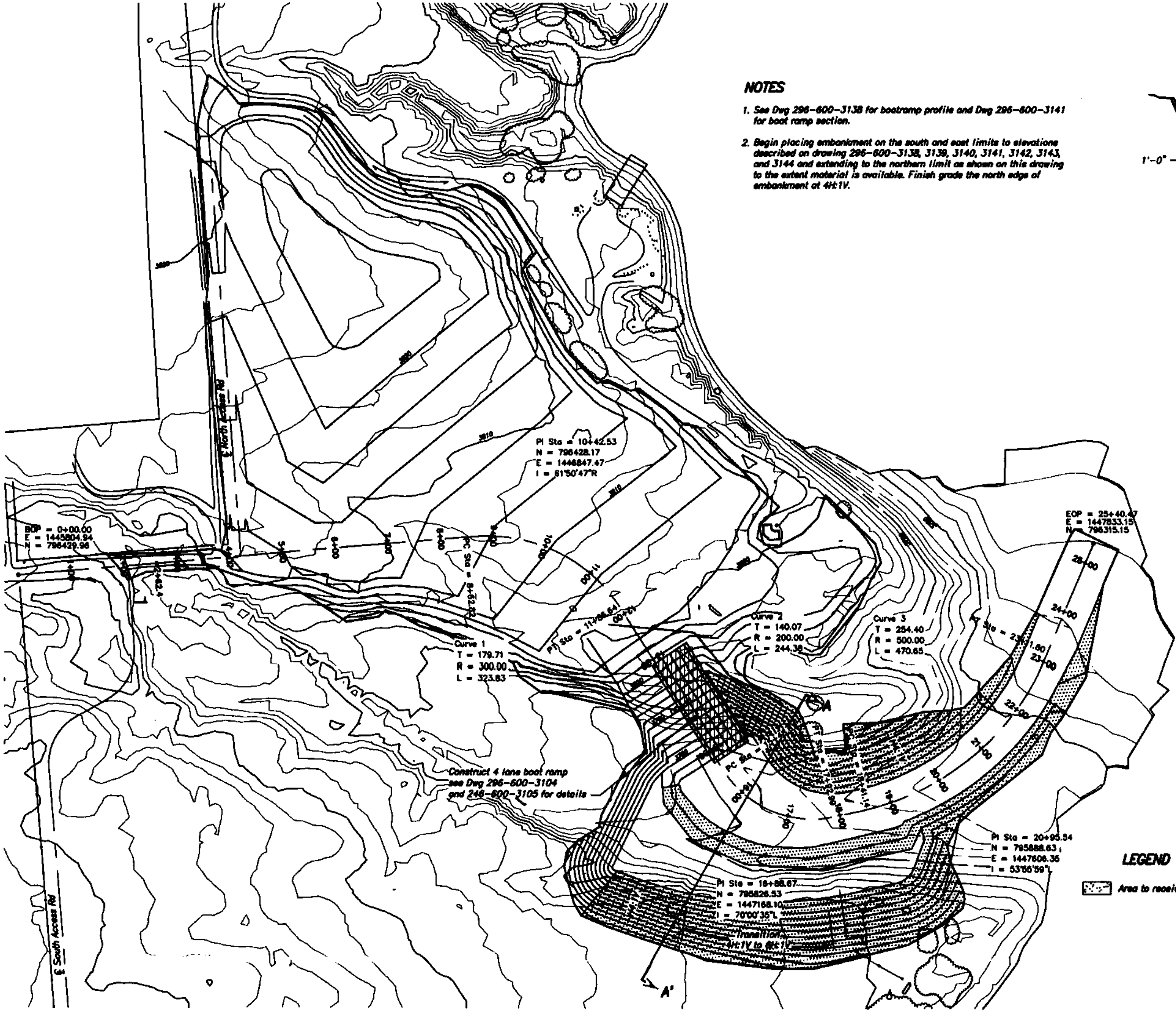
RAMP & ACCESS - SCHEDULE B

PLAN

DESIGNED L. BEAN — CHECKED
DRAWN ENGINEERING SUPPORT — TECH. APPR.
APPROVED

CADD SYSTEM AutoCAD 2000i — CADD FILENAME 000000LT.DWG
BILLINGS, MONTANA — 12/2002 — SHEET 1 OF 1

296-600-3172



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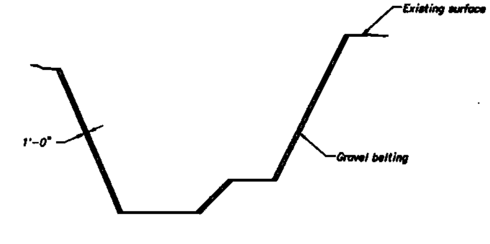

SECTION A-A' - TYPICAL BELTING

For Schedule C
North access road see drawing 296-600-3137

Phase C

DEC 2 2 2002

LEGEND

Area to receive gravel belting

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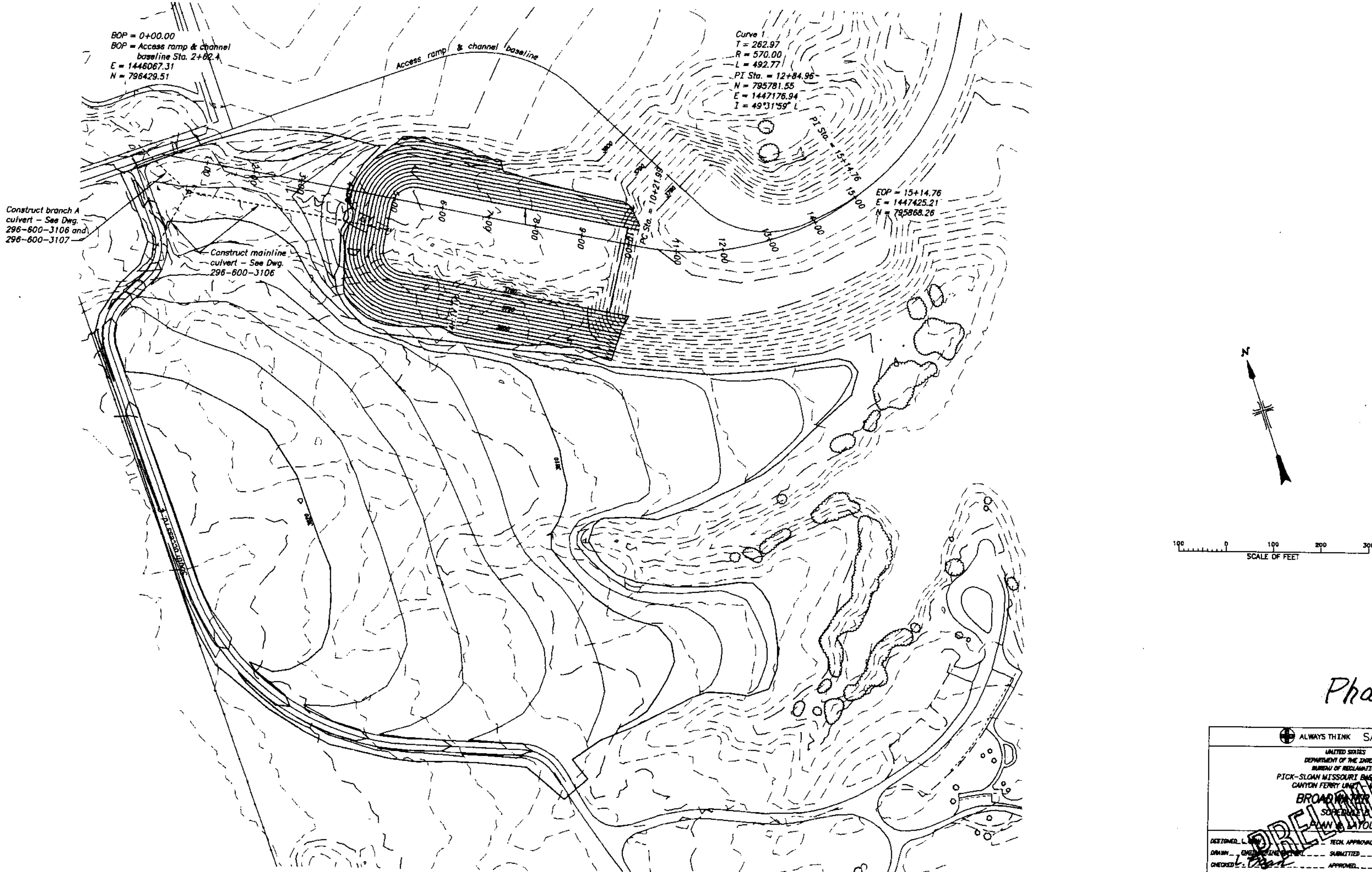
ACCESS RAMP AND CHANNEL ALIGNMENT - SCHEDULE C

PLAN

DESIGNED L. GEW — TECH. APPROVAL [signature], RLA
DRAWN ENGINEERING SUPPORT — SUBMITTED [signature]
CHECKED [illegible] — APPROVED [signature], P.E.

CADD SYSTEM AutoCAD 2000i — CADD FILENAME [illegible] — DATE AND TIME PLOTTED [illegible]
BILLINGS, MONTANA — SHEET 1 OF 1 — 10/2001

296-600-3136



Phase D

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BROADWATER BAY
SCHEDULE A
PLAN & LAYOUT

PRELIMINARY

DESIGNED L.	TECH. APPROVAL
DRAWN ENGINEERING	SUBMITTED
CHECKED L.	APPROVED

CADD SYSTEM AutoCAD 2000i	CADD FILENAME 00000BA0.DWG	DATE AND TIME PLOTTED 10/15/2001 10:00
BILLINGS, MONTANA SHEET 1 OF 1	10/2001	296-600-3145